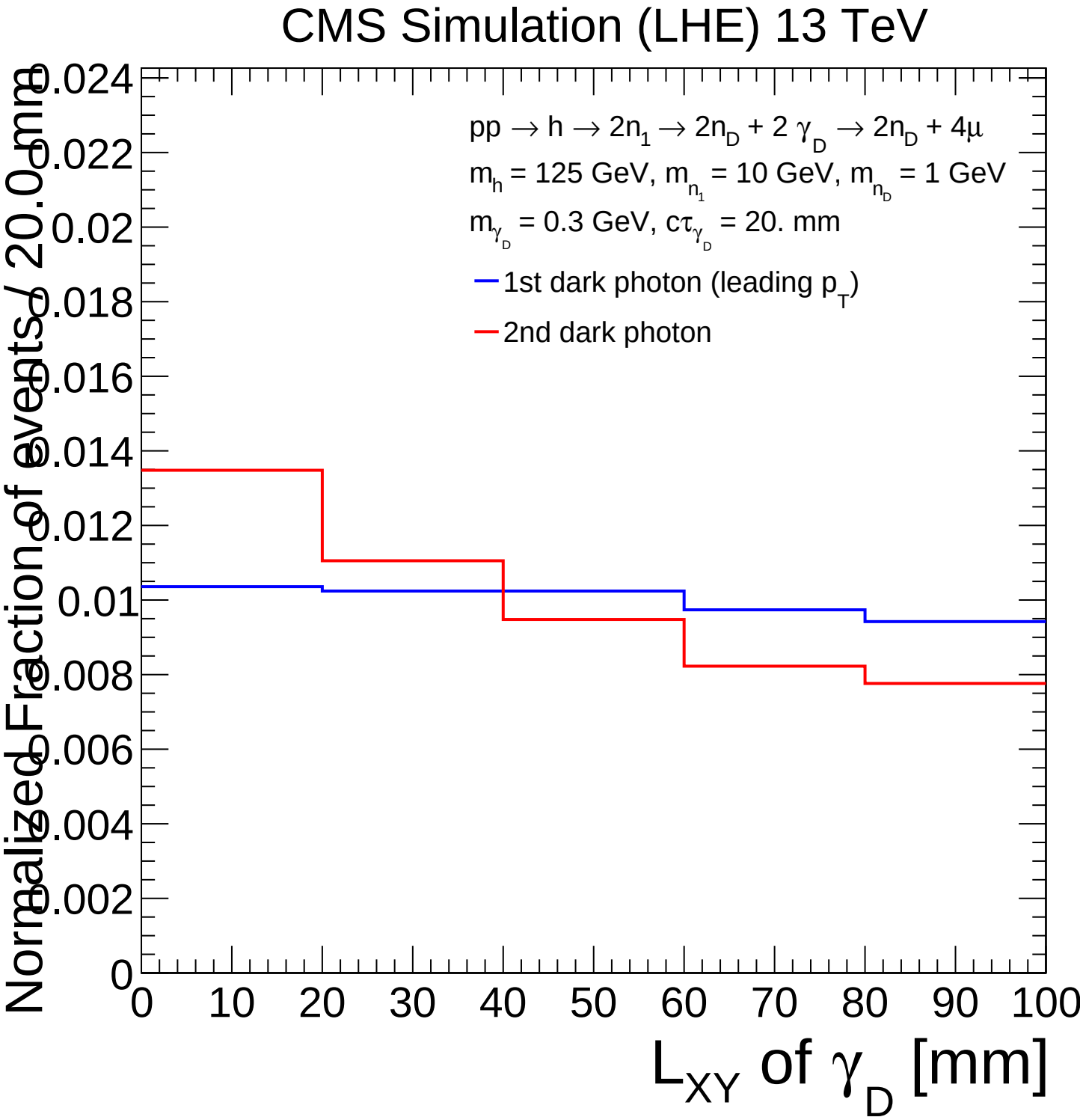
CMS Simulation (LHE) 13 TeV
$pp \to h \to 2n_1 \to 2n_D + 2\,\gamma_D \to 2n_D + 4\mu$
m_h = 125 GeV, m_{n_1} = 10 GeV, m_{n_D} = 1 GeV
m_{γ_D} = 0.3 GeV, $c\tau_{\gamma_D}$ = 20. mm
1st dark photon (leading p_T)
2nd dark photon
Normalized Fraction of events / 20.0 mm
L_{XY} of γ_D [mm]
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
0.016
0.018
0.02
0.022
0.024
0
10
20
30
40
50
60
70
80
90
100